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ESOF 322: Software Engineering I
Homework 1
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```
public class Company{
    public String name;
    public Address headquarters;
    public Employee employee;
    public Truck truck;
    public Car car;
    public Motorbike motorbike;
    public VehicleRentalService service;
    public Customer customer;
}
public class Truck{
    public int weight;
    public int power;
    public String manufacturer;
    public String regNo;
}
public class Car{
    public CarKind kind;
    public int noSeats;
    public int power;
    public String manufacturer;
    public String regNo;
}
public class Motorbike{
    public MbKind kind;
    public int cylinderCap;
    public int power;
    public String manufacturer;
    public String regNo;
}
public abstract class Vehicle implements Rentable{
    ...
}
```

```

public class VehicleRentalService extends Service{
    public Vehicle vehicle;
    public void offerCar(){};
    public void offerMotorbike(){};
    public void offerTruck(){};
}
public class BankAccount{
    public int number;
    public String depositor;
    public String bank;
}
public class Person{
    public String name;
    public String email;
    public Address address;
}
public class Employee extends Person{
    ...
}
public class Customer extends Person{
    public BankAccount bankAccount;
}
public class Suncontractor extends Customer, Employee{
    ...
}
public class Address{
    public String street;
    public String postalCode;
    public String city;
}
public class Service{
    public Customer customer;
}

interface Rentable{
    public void rent(){};
}

```